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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

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| Application Number | 10/600,364 |
| Filing Date | 06/21/2003 |
| First Named Inventor | Iris G. Chao |
| Art Unit | 1633 |
| Examiner Name | Janet L. Epps-Ford |
| Attorney Docket Number | |

Sheet 1 of 3

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5/908,029 | 06/01/1999 | Knudson et al | p 6, column 2, line 54-67 |
| | | US- 5/645,587 | 07/08/1997 | Chanda et al | p 4 column 1, line 31-37 |
| | | US- 4/098,571 | 07/04/1978 | Miyata | p 11, column 1, line 31-37 |
| | | US- 5/968,093 | 10/ /1999 | Kranz | p 7, column 2, Line 39-58 |
| | | US- 5/968,090 | 10/ /1999 | Batchiff et al | p 9, column 1, Line 14-16 |
| | | US- 5/766,584 | 06/ /1998 | Edelman et al | p 10, column 2, Line 9-13 |
| | | US- 6/287,317 | 09/ /2001 | Makower et al | p 29, column 1, Line 10, 27-31 |
| | | US- 5/624,437 | 04/ /1997 | Freeman et al | p 7, column 2, Line 26-30 |
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FOREIGN PATENT DOCUMENTS

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Patent applications and lectures cumulative to Appn No. 10/600,364,
“Method, Material, and Device of Making Graft”

Paired Chinese Patent Applications filed same day by same inventor, Jin R. Zhao in Beijing,
11/30/2003. Both mean PCT of Appn. No: 10/600,364.

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1) Design Patent “*Punch Device for Artificial Vessel*”, ZL200320113710.2, issued 02/23/2005.

ABSTRACT

The disclosure provided a punching device for making artificial vessel. The punch device is selected from a needle, cutter, laser, 2 phase solid-liquid lumen shaper, circular driller, and their combination thereof. The laser apparatus contains a single wave, made of an electrical stabilizer, a laser generator, a laser focus device, a transmission, a laser probe, and a laser beam focusing on a vessel wall, which is removed once opening an artificial lumen. The laser probe includes a micro focusing to push the focus gradually. The goal is to make a lumen having a diameter from 8 microm (μ) to 3 mm. The new lumen contains two openings connected with the two different lumens from two side vessels. The device is easy to use, safe, and effective, which can not be induced from current vessel manufacture apparatus and material.

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2) Utility patent application “Method and Device of Making Artificial Vessel” CN
2003101103312 filed 11/30/2003. *

ABSTRACT

Upon discovered new patterns (behaviors) of neovascularization, a material, device and method are induced to grow/culture artificial graft in situ. The new concept is based on blood flow's intending to search for another blood flow and endothelial cells' intending to follow the dynamic leading force of the blood flow to line over the blood flow to form a circuit. The 1st step of this method is making a lumen opening on a vessel wall to induce endothelial cells to spread out and thereafter, the 2nd step is making the wall in situ, which is reversed from tradition. The graft made thereof comprises a solidifiable adhesive fluid, suitable to form an extravascular solid bond and the final product is an artificial vessel. The device is selected from ice, laser, balloon, puncher, and needle. The embodiments include heart, brain, eye, shared tube, and vascular bypass. The vascular mode includes a reversed bypass from an artery to a vein network. This system is also useful for repairing tubular gland, ureter, fallopian tube, and lymph duct.

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